

CLAIMS

What is claimed is:

1. A method for linking web sites, applied to a system for linking web sites for connecting a user's computer device to a web site in World Wide Web, wherein the system has a database including IP addresses, and numeric web addresses each corresponding to the respective IP address and having numerals thereof positioned from left to right corresponding in sequence to large to small categories of web sites; the method comprising the steps of:

- (1) inputting a requested web address via a user to the user's computer device, and receiving the requested web address via the system for linking web sites from the user's computer device;
- (2) searching via the system for linking web sites in the database for data relating to the requested web address, wherein if no numeric web address in the database matches the requested web address, then step (3) is followed; if at least one numeric web address similarly matches the requested web address, then step (4) is followed; and if a numeric web address exactly matches the requested web address, then an IP address corresponding to the exactly matched numeric web address is acquired and step (5) is followed;
- (3) sending a message for indicating failure in searching the data relating to the requested web address search via the system for linking web sites to the user's computer device, and advising the user to input another requested web address, then returning to the step (1);
- (4) sending the data relating to similarly matched numeric web addresses via the system for linking web sites to the user's computer device, for allowing the user to select one of the data and for acquiring an IP address of the selected datum, and then going to step (5); and
- (5) searching and linking a web site corresponding to the IP address via the system for

linking web sites, and sending a homepage of the web site to the user's computer device, for allowing the user to interact with the web site.

2. The method of claim 1, prior to the step (2), further comprising a step of:

inquiring DNS (domain name system) via the system for linking web sites about the requested web address, wherein if the DNS replies an IP address, then the IP address is acquired and the step (5) is followed; if the DNS has no reply, then the step (2) is followed.

3. The method of claim 1, wherein the user's computer device is a computer.

4. The method of claim 3, wherein the computer includes a browser for allowing the user to input the requested web address thereto.

5. The method of claim 1, wherein the system for linking web sites comprises:

the database;

a receiving module for receiving the requested web address in the step (1);

a searching module for searching the data relating to the requested web address in the step (2);

a responding module for executing the step (3), (4) or (5) according to a searched result from the step (2).

6. The method of claim 1, wherein the system for linking web sites is constructed in a server.

7. The method of claim 1, wherein the system for linking web sites is constructed in a computer device connected to a server.

8. The method of claim 1, wherein the system for linking web sites is integrated into a peripheral device externally connected to a computer device and a server, respectively.

9. The method of claim 1, wherein one part of the system for linking web sites is constructed in a computer device, and the other part of the system is constructed in a server connected to the computer device.

10. A method for linking web sites, applied to a system for linking web sites for connecting a user's computer device to a web site in World Wide Web, wherein the system has a receiving module, a searching module, a responding module and a database, and the database includes IP addresses, and numeric web addresses each corresponding to the respective IP address and having numerals thereof positioned from left to right corresponding in sequence to large to small categories of web sites; the method comprising the steps of:

- (1) inputting a requested web address via a user to the user's computer device, and receiving the requested web address via the receiving module from the user's computer device;
- (2) searching via the searching module in the database for data relating to the requested web address from the receiving module, and sending a searched result to the responding module;
- (3) determining the searched result from the searching module via the responding module, wherein if no numeric web address in the database matches the requested web address, then step (4) is followed; if at least one numeric web address similarly matches the requested web address, then step (5) is followed; and if a numeric web address exactly matches the requested web address, then an IP address corresponding to the exactly matched numeric web address is acquired and step (6) is followed;
- (4) sending a message for indicating failure in searching the data relating to the requested web address search via the responding module to the user's computer device, and advising the user to input another requested web address, then returning to the step (1);
- (5) sending the data relating to similarly matched numeric web addresses via the responding module to the user's computer device, for allowing the user to select one of the data and for acquiring an IP address of the selected datum, and then going to

step (6); and

(6) searching and linking a web site corresponding to the IP address via the responding module, and sending a homepage of the web site to the user's computer device, for allowing the user to interact with the web site.

11. The method of claim 10, prior to the step (2), further comprising a step of:

inquiring DNS (domain name system) via the system for linking web sites about the requested web address, wherein if the DNS replies an IP address, then the IP address is acquired and the step (6) is followed; if the DNS has no reply, then the step (2) is followed.

12. The method of claim 10, wherein the user's computer device is a computer.

13. The method of claim 12, wherein the computer includes a browser for allowing the user to input the requested web address thereto.

14. The method of claim 10, wherein the receiving module, searching module, responding module, and database are constructed in a server.

15. The method of claim 10, wherein the receiving module, searching module, responding module, and database are constructed in a computer device connected to a server.

16. The method of claim 10, wherein the receiving module, searching module, responding module and database are integrated into a peripheral device externally connected to a computer device and a server, respectively.

17. The method of claim 10, wherein one part of the receiving module, searching module, responding module and database is constructed in a computer device, and the other part thereof is constructed in a server connected to the computer device.

18. A system for linking web sites for connecting a user's computer device to a web site of World Wide Web, comprising:

a database including IP addresses, and numeric web addresses each corresponding to the respective IP address and having numerals thereof positioned from left to right corresponding in sequence to large to small categories of web sites;

a receiving module for receiving a requested web site input by a user at the user's computer devices;

a searching module for searching in the database for data relating to the requested web address from the receiving module; and

a responding module, if no numeric web address in the database matching the requested web address, for sending a message indicating failure in searching the data relating to the requested web address search to the user's computer device and advising the user to input another requested web address; if at least one numeric web address in the database similarly matching the requested web address, for sending the data relating to similarly matched numeric web addresses to the user's computer device, so as to allow the user to select one of the data for acquiring an IP address of the selected datum, and link a web site corresponding to the IP address to the user's computer device for allowing the user to interact with the web site; and if a numeric web address in the database exactly matching the requested web address, for linking a web site corresponding to an IP address of the exactly matched numeric web address to the user's computer device for allowing the user to interact with the web site.

19. The system of claim 18, wherein the user's computer device is a computer.

20. The system of claim 19, wherein the computer includes a browser for allowing the user to input the requested web address thereto.

21. The system of claim 18, wherein the receiving module, searching module, responding module, and database are constructed in a server.

22. The system of claim 18, wherein the receiving module, searching module, responding module, and database are constructed in a computer device connected to a server.

23. The system of claim 18, wherein the receiving module, searching module, responding module and database are integrated into a peripheral device externally connected to a computer device and a server, respectively.

24. The system of claim 18, wherein one part of the receiving module, searching module, responding module and database is constructed in a computer device, and the other part thereof is constructed in a server connected to the computer device.